

FIG. 1

$G[V, E, \delta]$

↓
[Search for Complements] 202



$V_1 = \{v_i \in V \mid v_i \text{ has a complement}\} \quad 204$

↓
[CREATE EDGES] 206

↓
 $G' [V', E', \delta'] \quad 208$

Search Complement 200

FIG. 2

$G[V, E, S]$



Search for Substitutes 352



$V_1 = \{v_2 \in V \mid v_2 \text{ has a substitute}\} \quad 354$



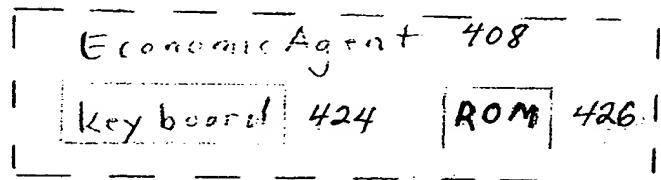
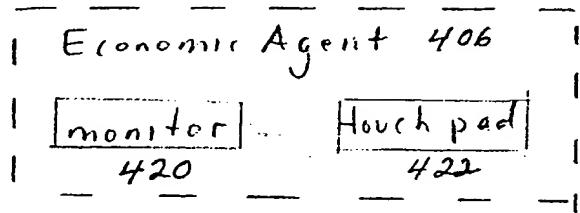
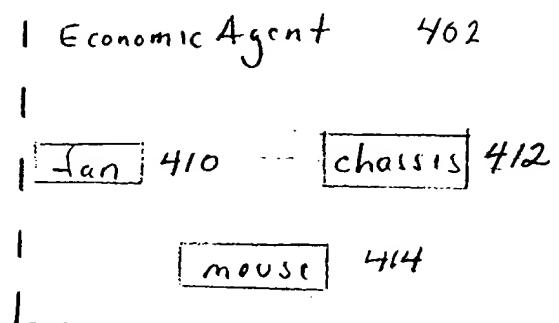
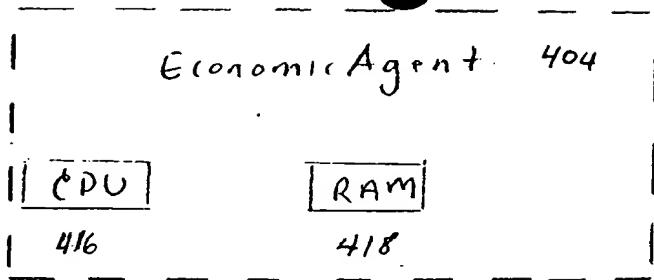
Create Edges 356



$G'[V', E', S'] \quad 358$

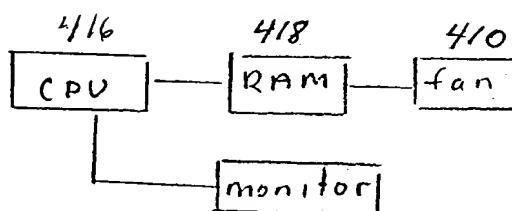
Substitute Search 350

FIG. 3

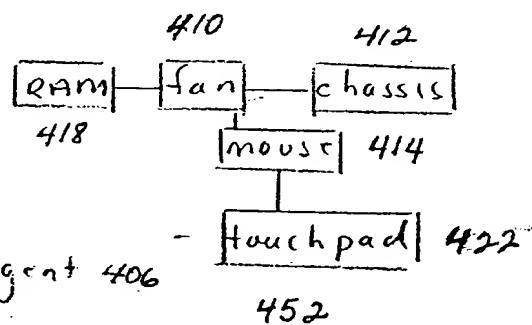


400
FIG. 4a

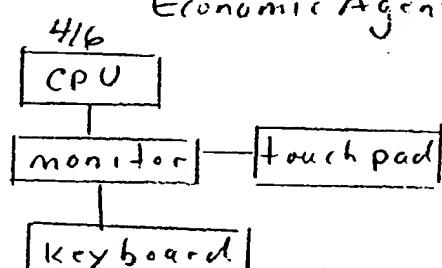
Economic Agent 404



Economic Agent 402

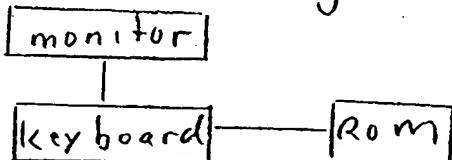


Economic Agent 406



456

Economic Agent 408



458

FIG. 4b

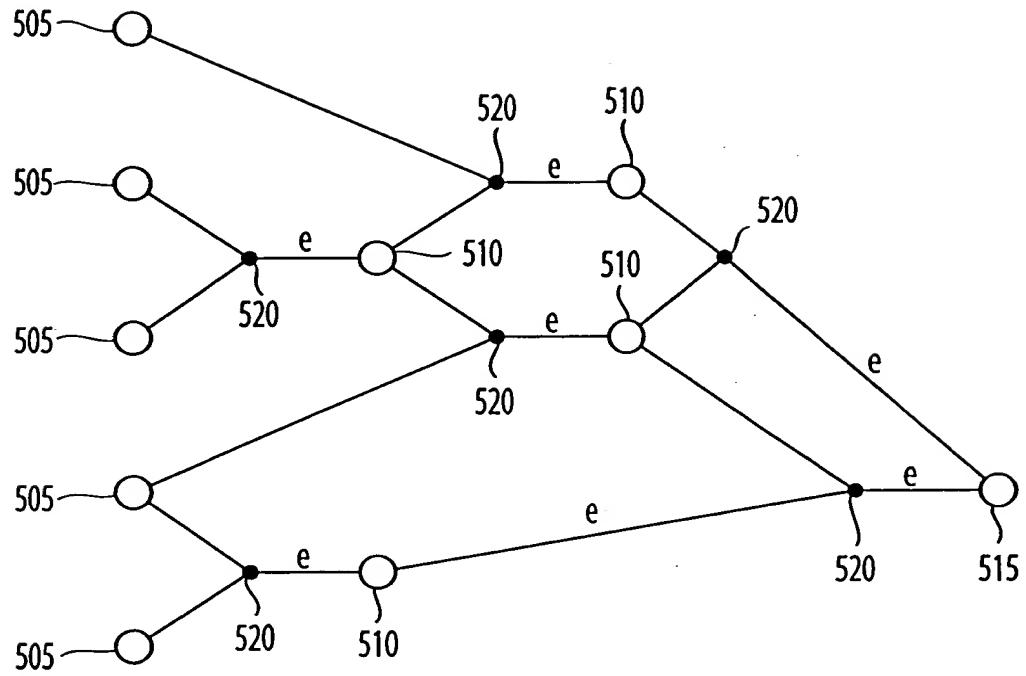
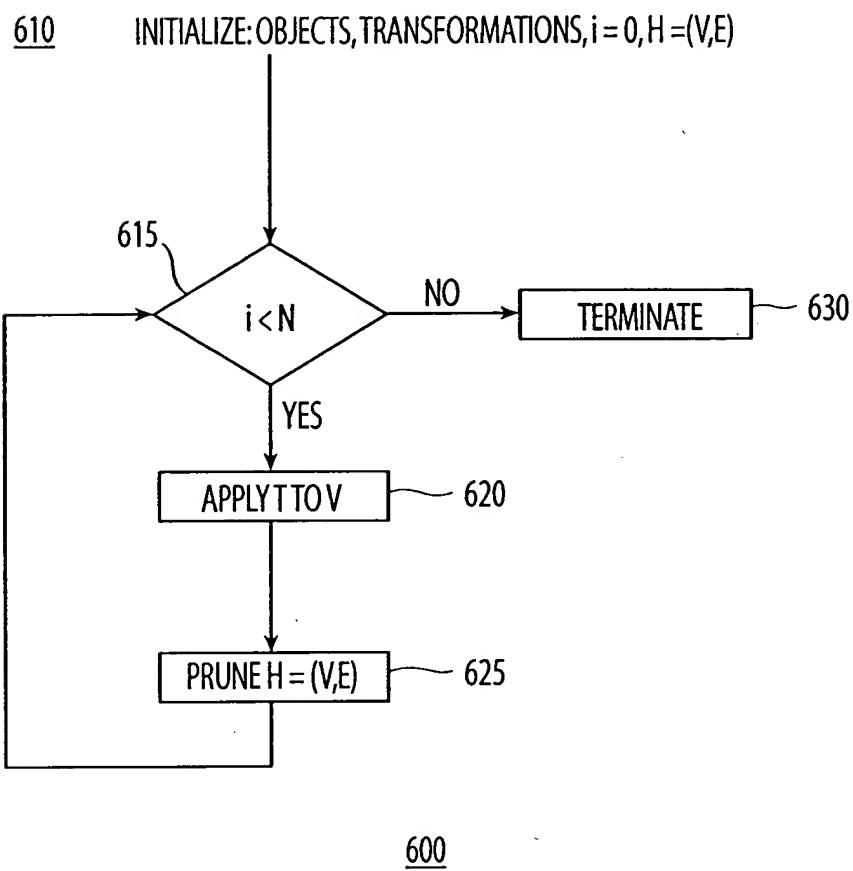
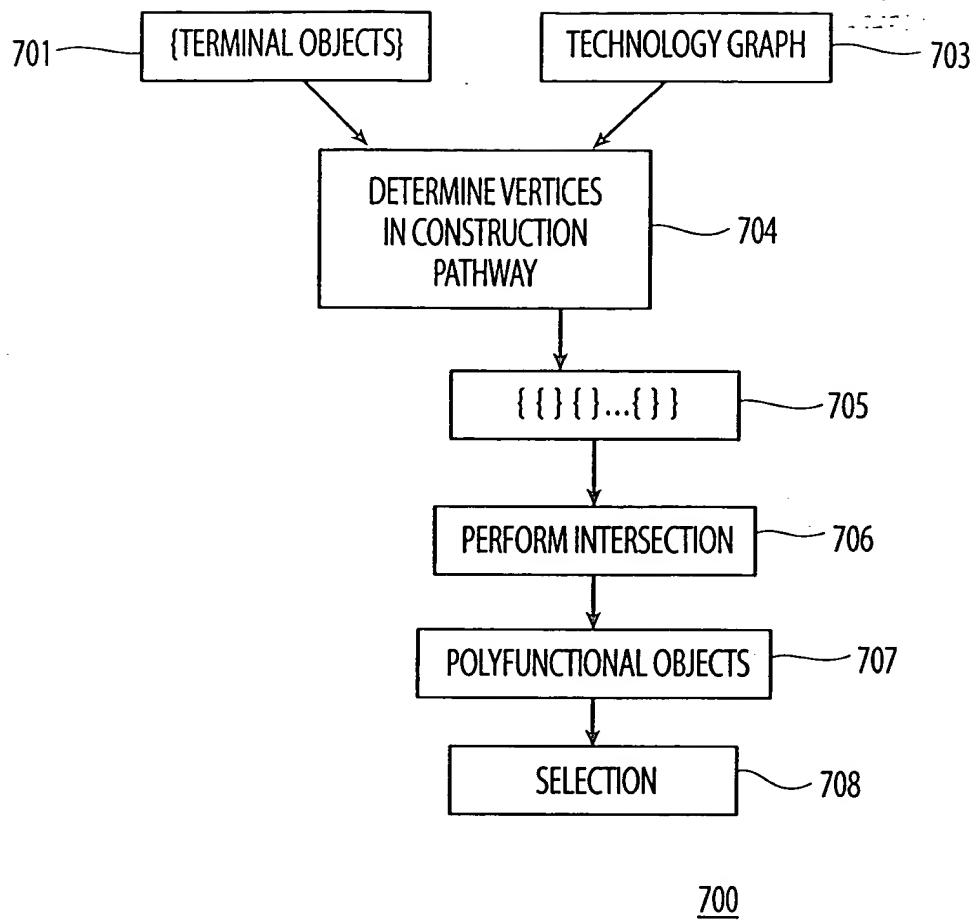


Fig. 5



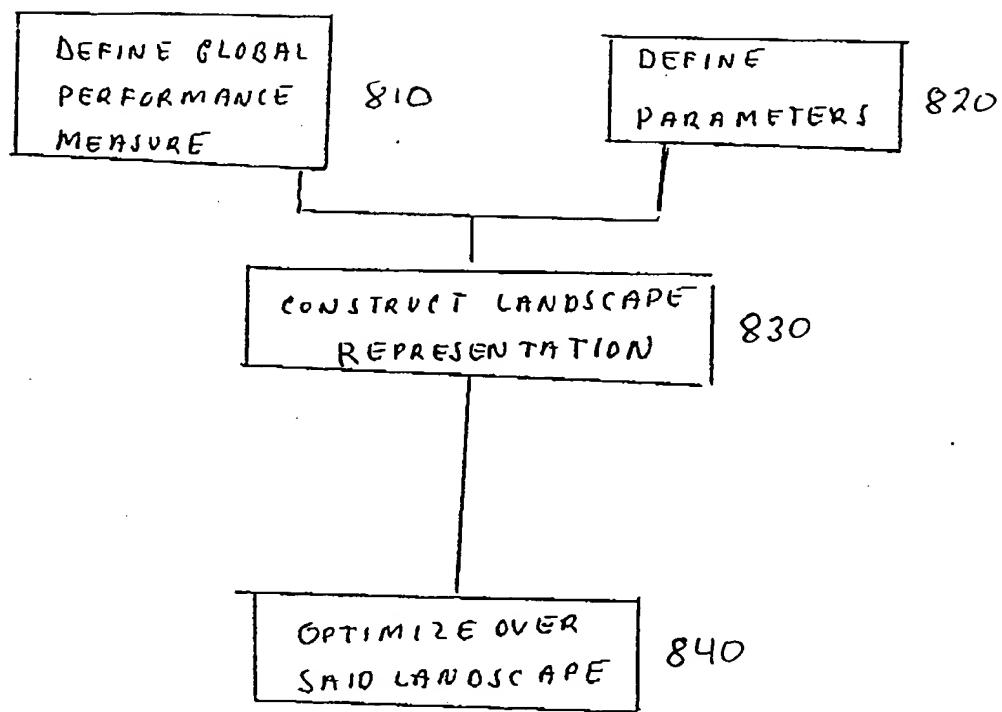
600

Fig. 6



700

Fig. 7



800

FIG. 8